

RAVIRAJ CHAUHAN

AIRCRAFT TECHNICIAN – Composite Repair, Structural Assembly, & Quality Inspection

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SKILLS

- **Aircraft Structural Assembly:** Sheet metal structures, structural repairs, major modification installations
- **Blueprint & Systems Interpretation:** Engineering drawing interpretation, flight control systems familiarity.
- **Inspection & Compliance:** Aerospace safety protocols, quality assurance inspections, defect identification.
- **Maintenance Documentation:** Digital maintenance record entry, technical documentation handling.
- **Aircraft Parts Fabrication:** Precision fabrication of components, shaping materials to specifications.
- **Workshop Practices:** Aircraft hand tools, precision measuring instruments, and 5S workplace practices.

WORK EXPERIENCE

Composite Manufacturing Technician **May 2025 – Present**
INPS - International Name Plate Supplies, Ltd. *Ontario*

- Interpreted engineering drawings, calculated dimensions, and directed fiberglass cutting operations, achieving 98% dimensional accuracy across 120 composite components monthly.
- Executed wet lay-up fabrication, optimized resin ratios, and supervised layer sequencing, increasing structural conformity rates by 22% during audits.
- Performed dimensional inspections, analyzed tolerance deviations, and documented findings, reducing nonconformance incidents by 18% within quarterly production cycles.
- Assembled composite structures using calibrated tooling, aligned subcomponents, and led corrective adjustments, improving assembly throughput by 25%.
- Coordinated production scheduling, evaluated inventory metrics, and initiated process controls, decreasing material wastage by 15% annually.
- Calibrated vacuum bagging systems, regulated curing temperatures, and validated pressure parameters, improving laminate consolidation consistency by 19% across batches.
- Diagnosed fabrication defects through root cause evaluation, integrated corrective methodologies, and decreased rework frequency by 21% over six months.
- Standardized mold preparation procedures, controlled surface treatments, and enhanced bonding reliability, increasing first-pass yield rate by 24%.

Aeronautical Analyst **June 2022 – June 2023**
Hitech Digital Solutions *India*

- Analyzed AIP, NOTAM, and AIRAC amendments, validated aeronautical datasets, and delivered 100+ NAVBLUE chart revisions monthly meeting regulatory standards.
- Generated aerodrome, SID, STAR, and IAC charts using Bentley Microstation V6, enhancing cartographic precision by 20% across projects.
- Conducted quality verification audits on terminal procedures, resolved 95% detected discrepancies, and strengthened compliance alignment metrics.
- Monitored production timelines, allocated analytical tasks, and ensured 100% on-time delivery of aeronautical documentation batches.
- Implemented client-specified cartographic modifications, evaluated technical constraints, and improved dataset integration efficiency by 17%.
- Interpreted ICAO regulatory publications, extracted procedural updates, and incorporated 85+ airspace modifications quarterly into controlled navigation databases.
- Performed geospatial coordinate validation, reconciled waypoint discrepancies, and improved positional accuracy margins by 16% within structured review cycles.
- Optimized digital layer structuring, standardized symbology coding frameworks, and reduced chart processing turnaround intervals by 23% annually.

EDUCATION

Post-Graduation in Aerospace Operations Management September 2024 – April 2025
Fanshawe College, Ontario

Post-Graduation in Aerospace Composites & Advanced Materials September 2023 – April 2024
Fanshawe College, Ontario

Bachelor of Aeronautical Engineering June 2018 – April 2022
Parul University, India